PATENT APPLICATION

Our File No.: 2003-1901.ORI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: Nippon Shokubai Co., Ltd.

S.N.: OF EVEN DATE

Filed: OF EVEN DATE

For: PRODUCTION PROCESS FOR CATALYST

INFORMATION DISCLOSURE STATEMENT UNDER RULE 1.56

Applicant(s) herein make available to the Patent and Trademark Office a copy of Form PTO-1449 (one form is enclosed), and a copy of each cited reference is enclosed along with any translations, partial translations, or abstracts referred to below. This Information Disclosure Statement is being filed in accordance with the following provision(s):

- [X] 37 CFR 1.97(b)(1) Within three months of the filing date of the national application. No fee is required. If listed below, the following references are being submitted under this provision:
 - ♦ All of the references.
- [X] 37 CFR 1.98(a)(3)(i) A concise explanation of the relevance as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the information, of each patent, publication, or other information listed that is not

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I hereby certify that this correspondence and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date <u>July 8, 2003</u> in an envelope as "Express Mail Post Office to Addressee" Mailing Number <u>EU-884-834-900-US</u> addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Robert J. Jacobson, Reg. No. 32,419

(Information Disclosure Statement-page 1 of 3)

in the English language. If listed below, the following references are being submitted under this provision with an English abstract:

- 6. JP 6-31171
- 7. JP 57-3415
- 8. JP 5-42295
- 9. JP 10-192675
- [] 37 CFR 1.98(a)(3)(ii) A copy of the translation if a written English-language translation of a non-English-language document, or portion thereof, is within the possession, custody, or control of, or is readily available to any individual designated in § 1.56(c). If listed below, the following references are being submitted under this provision:
- [X] 37 CFR 1.98(c) When the disclosures of two or more patents or publications listed in an information disclosure statement are substantively cumulative, a copy of one of the patents or publication may be submitted without copies of the other patents or publications, provided that it is stated that these other patents or publications are cumulative. If listed below, the following references are being submitted under this provision where each of the references within the following groups of references is believed to be cumulative of the other reference in said group:
 - 1. JP 63-315147
 - 1. US 4,873,217
 - 2. JP 8-299797
 - 2. US 5,959,143
 - 3. JP 6-279030
 - 3. US 5,446,004
 - 3. US 5,493,052
 - 4. JP 58-15176
 - 4. GB 1 496 832
 - 5. JP 58-930
 - 5. US 4,442,308

the Examiner's listed documents are brought to attention because they are known to the applicant and/or the applicant's attorney and may be considered by the Examiner to be This listing should not be construed material to examination. as a representation that a search has been made or that no No inference should be made that the better art exists. are material merely because they are documents in fact referenced herein. Moreover, no representation is made that any brief descriptions of the references herein necessarily describe the most material aspects of the references. Further, by this listing, the applicant is not making any admission regarding the relative dates of the invention and listed disclosures.

to consider carefully the The Examiner is requested complete text of these documents in connection with examination of the above-identified application in accordance with 37 CFR 1.104(a). It is requested that the documents listed on the attached Form(s) PTO-1449 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. 1302.12), and that the Examiner initial and return a copy of the form(s) to evidence consideration of the documents.

Respectfully submitted,

HAUGEN LAW FIRM PLLP

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PTO/SB/08a (05-03)
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Substitut	e for form 1449A/PTC)	*	Complete if Known		
				Application Number	OF EVEN DATE	
INFO	PRMATION	DIS	SCLOSURE	Filing Date	OF EVEN DATE	
STA	TEMENT B	YA	PPLICANT	First Named Inventor	Hiromi YUNOKI	
				Art Unit		
	(use as many she	ets as	necessary)	Examiner Name		
Sheet	one	of	one	Attorney Docket Number	2003-1901.ORI	

			U.S. PAT	ENT DOCUMENTS		
Examiner Initials	Cite No.1	Document Number Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Refevant Passages or Refevant Figures Appear	
	1	US- 4,873,217	10-10-1989	Kawajiri et al.		
	2	US- 5,959,143	09-28-1999	Sugi et al.		
	3	US- 5,446,004	08-29-1995	Tenten et al.		
	3	US- 5,493,052	02-20-1996	Tenten et al.		
	5	US- 4,442,308	04-10-1984	Arntz et al.		
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Examiner Initials	Cite No.1	Foreign Patent Document Office ³ Number ⁴ Kind ⁵ (if known)			Publication Date , MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
	1	JP	63-315147	A	12-22-1988	Nippon Shokubai		
	2	JP	8-299797	Α	11-19-1996	Nippon Kayaku		
	3	JP	6-279030	A	10-04-1994	BASF Aktiengesellschaft		
	4	JP	58-15176	B2	03-24-1983	BASF Aktiengesellschaft		
	4	GB	1 496 832		01-05-1978	BASF Aktiengesellschaft		
	5	JР	58-930	Α	01-06-1983	Degussa Aktiengesellschaft		
	6	JP	6-31171	A	02-08-1994	Mitsubishi Rayon Co Ltd		
	7	JP	57-3415	B2	01-21-1982	Sunstar Stainless		
	8	JP	5-42295	. B2	06-28-1993	Aichi Electric Co. Ltd.		
,	9	JP	10-192675	A	07-28-1998	Aichi Electric Co. Ltd.		

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Por Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.